

ABSTRACT

A patch antenna (1) for an electronic device includes a planar metal sheet having a first element (30), a second element (2) and a connecting patch (31) connecting the first element with the second element. A first ground plane (42) is disposed adjacent to the first element. A second ground plane (40) is parallelly spaced from the metal sheet. A shorted patch (41) shorts the first ground plane to the second ground plane. A number of dielectric sticks (6) are disposed between the metal sheet and the second ground plane for supporting the metal sheet. A feeder cable (50) includes an inner conductor (52) electrically connecting with the first element and an outer shield conductor (51) electrically connecting with the first ground plane.